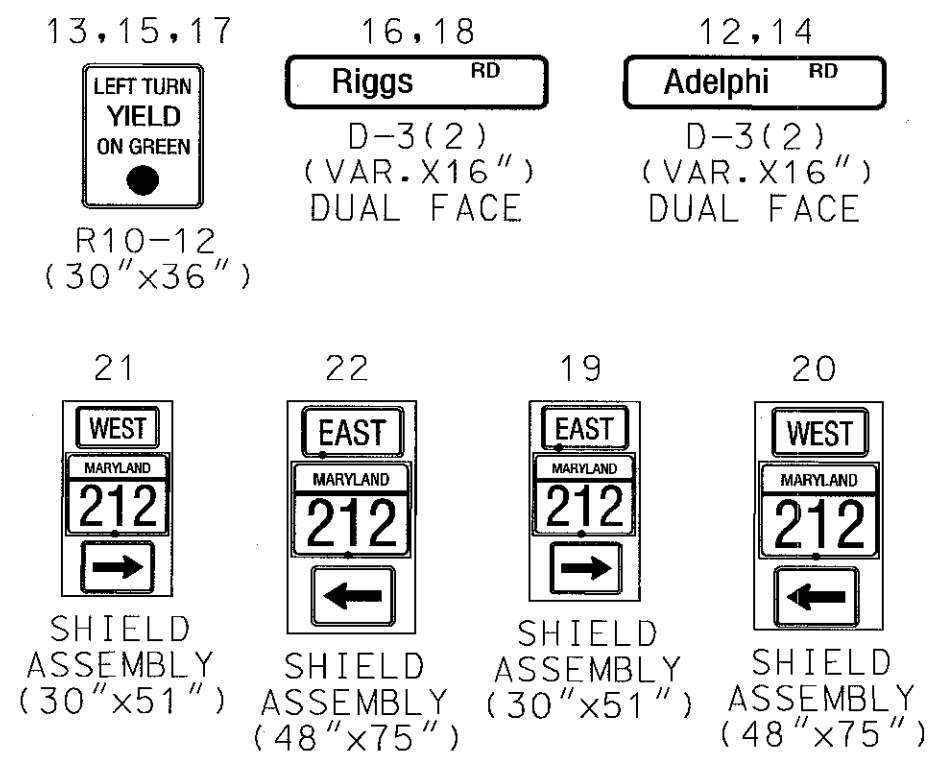
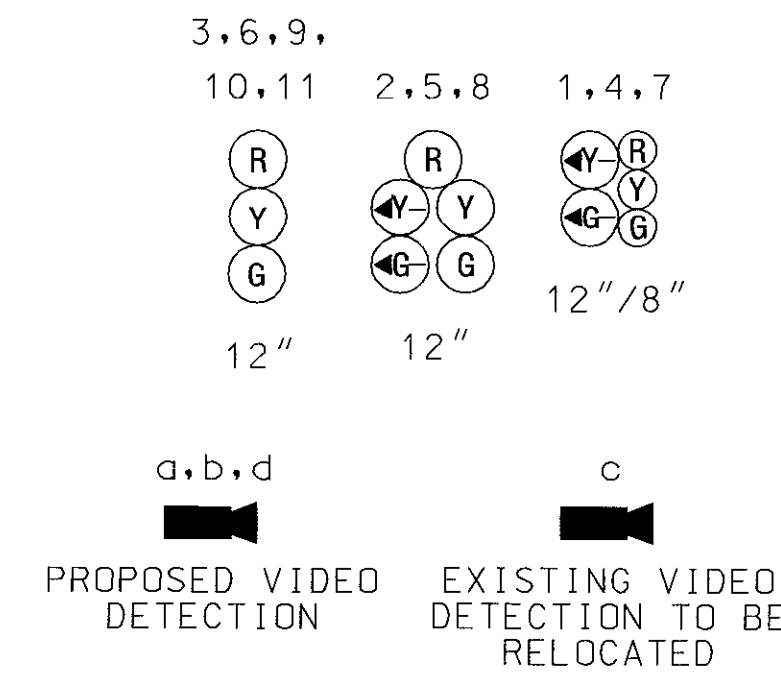


MD 212 IS ASSUMED TO RUN
IN A EAST / WEST DIRECTION

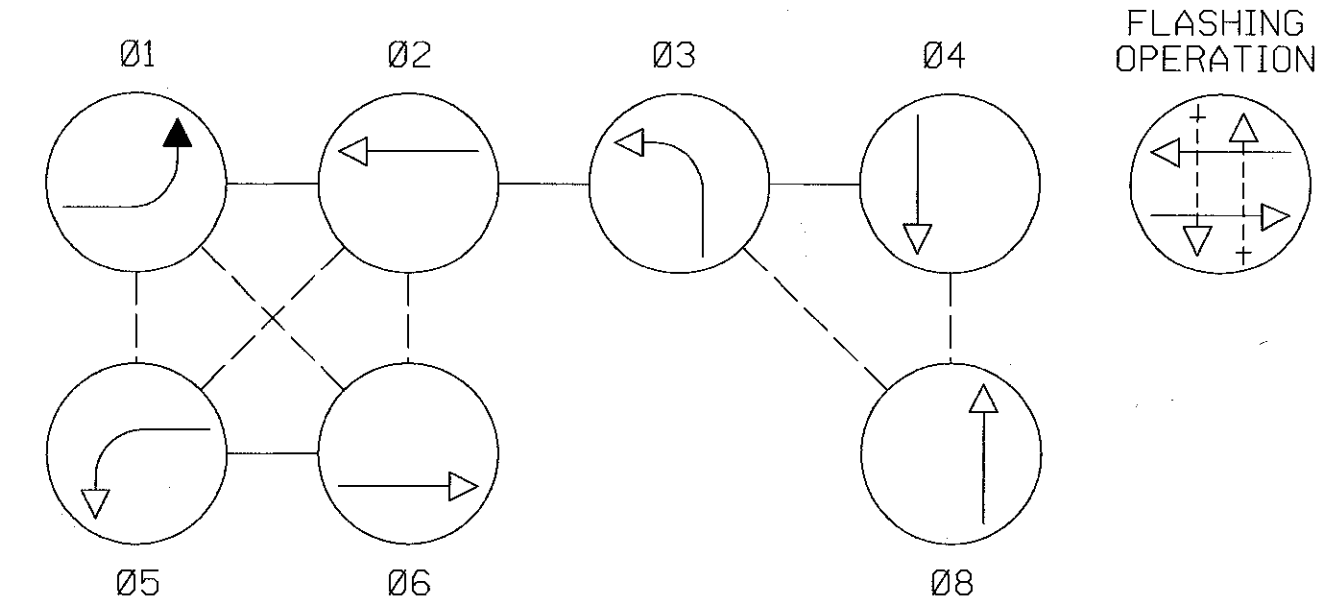
PROPOSED SIGNS



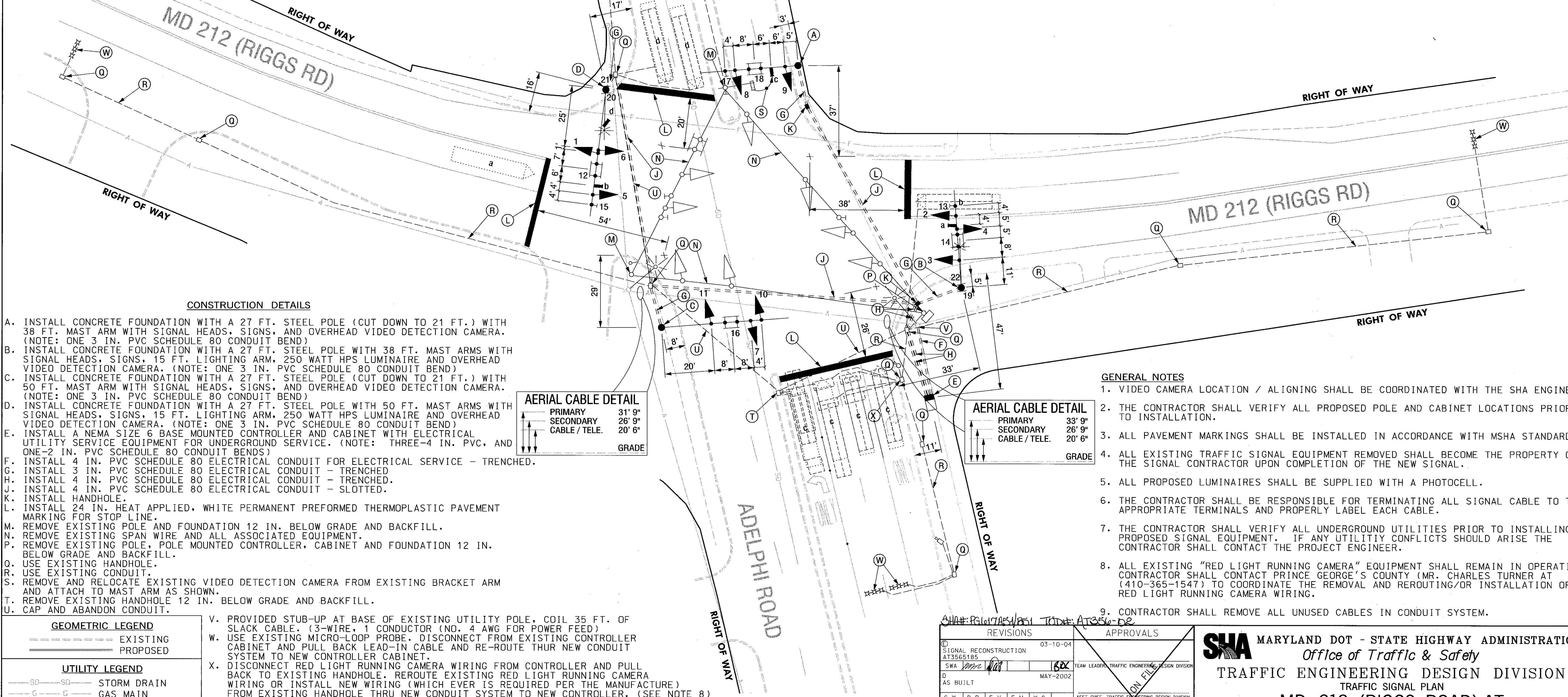
PROPOSED SIGNALS



NEMA PHASING

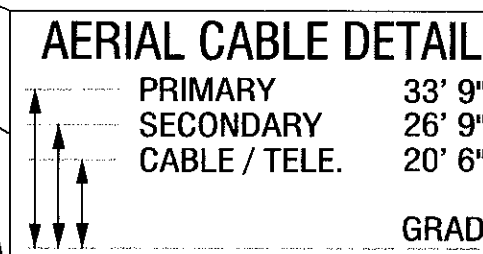
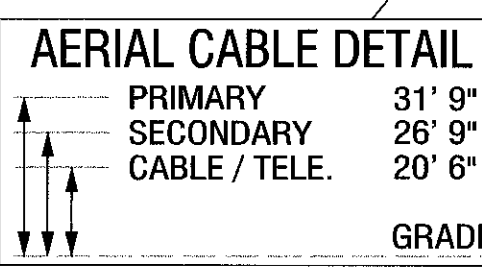


NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT DOWN TO 21 FT.) WITH 38 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 38 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT DOWN TO 21 FT.) WITH 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- D. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- E. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: THREE-4 IN. PVC, AND ONE-2 IN. PVC SCHEDULE 80 CONDUIT BENDS)
- F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED.
- G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- K. INSTALL HANDHOLE.
- L. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- M. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- N. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- P. REMOVE EXISTING POLE, POLE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- Q. USE EXISTING HANDHOLE.
- R. USE EXISTING CONDUIT.
- S. REMOVE AND RELOCATE EXISTING VIDEO DETECTION CAMERA FROM EXISTING BRACKET ARM AND ATTACH TO MAST ARM AS SHOWN.
- T. REMOVE EXISTING HANDHOLE 12 IN. BELOW GRADE AND BACKFILL.
- U. CAP AND ABANDON CONDUIT.



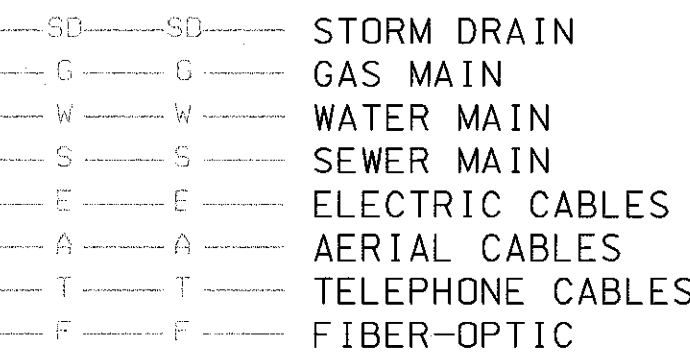
GENERAL NOTES

- 1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- 2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- 3. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- 5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- 7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- 8. ALL EXISTING "RED LIGHT RUNNING CAMERA" EQUIPMENT SHALL REMAIN IN OPERATION. CONTRACTOR SHALL CONTACT PRINCE GEORGE'S COUNTY (MR. CHARLES TURNER AT (410-365-1547) TO COORDINATE THE REMOVAL AND REROUTING/OR INSTALLATION OF RED LIGHT RUNNING CAMERA WIRING.
- 9. CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT SYSTEM.

GEOMETRIC LEGEND



UTILITY LEGEND



- V. PROVIDED STUB-UP AT BASE OF EXISTING UTILITY POLE, COIL 35 FT. OF SLACK CABLE. (3-WIRE, 1 CONDUCTOR (NO. 4 AWG FOR POWER FEED))
- W. USE EXISTING MICRO-LOOP PROBE. DISCONNECT FROM EXISTING CONTROLLER CABINET AND PULL BACK LEAD-IN CABLE AND RE-ROUTE THRU NEW CONDUIT SYSTEM TO NEW CONTROLLER CABINET.
- X. DISCONNECT RED LIGHT RUNNING CAMERA WIRING FROM CONTROLLER AND PULL BACK TO EXISTING HANDHOLE. REROUTE EXISTING RED LIGHT RUNNING CAMERA WIRING OR INSTALL NEW WIRING (WHICH EVER IS REQUIRED PER THE MANUFACTURE) FROM EXISTING HANDHOLE THRU NEW CONDUIT SYSTEM TO NEW CONTROLLER. (SEE NOTE 8)

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REVISIONS					APPROVALS	
1	SIGNAL RECONSTRUCTION	03-10-04	AT3565185		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
2	SWA					
3	AS BUILT	MAY-2002				
4	C.W.	D.P.	E.V.	F.M.	W.C.	

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
**MD 212 (RIGGS ROAD) AT
ADELPHI ROAD**

DRAWN BY: GLENN COOK	F.A.P. NO. 1156E	TS NO. 1156E	SHEET NO. 1 OF 2
CHECKED BY: [Signature]	S.H.A. NO. [Blank]	T.I.M.S. NO. F759	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	LOG MILE: 16021203.87	
DATE: MARCH 3, 1973			